Dialog

Prodn. of porous sheet for clothes, filters, etc. - by drawing sheet obtd. by melt-moulding polyolefin resin, filler and alpha-olefin-diallyl dicarboxylate copolymer as plasticiser
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Patent Family

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JP 63251436	A	19881018	JP 8785219	A	19870407	198847	B
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Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
JP 63251436	A		11		
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Abstract:
JP 63251436 A

Prodn. of porous sheet comprises drawing a sheet obtd. by melt moulding a compsn. contg. (A) polyolefin-type resin, (B) filler, and plasticiser,where a copolymer of (C) alpha-olefin and (D) diallyl alpha,beta-unsatd. dicarboxylate is used as plasticiser.

Pref. (B) isCaCO3, talc, clay, silica, diatomaceous earth or BaSO4. (C) is pref. of 2-20C. (D) is pref. obtd. from methanol, ethanol or butanol and maleic acid or itaconic acid.

(A) has MI of e.g. 0.01 to 10 g/10 min. at 190 deg.C under 2.16 kg. (B) has average particle size of e.g. up to 5 microns. The molar ratio of (D)/(C) is e.g. 1.0 to 1.5. The amts. of (B) and the copolymer are e.g.. 60 to 300 pts.wt. and 1 to 50 pts.wt. respectively, w.r.t. 100 pts.wt. of (A).

USE/ADVANTAGE - The porous sheet used for clothes, wrappings, cell separators, filtering materials, and medical application. It has high moisture and gas permeability, softeness, tear strength, and heat sealability. Porosity and uniform drawing can be attained at low draw ratio. Low temp. drawing is possible.

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